

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 07/27/2020 09:53 AM
Cytometer Baseline: 02/04/2020 09:45 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125052	0	3.06	125141	3.10
Blue	F	SSC	125000	124952	-1	2.05	125737	2.02
Blue	E	FITC	15892	15523	-3	2.94	340	21.71
Blue	D	PE	29999	29242	-3	2.13	637	15.26
Blue	B	PerCP-Cy5-5	43732	43972	0	3.82	1179	20.98
Blue	A	PE-Cy7	30845	31137	0	6.47	594	42.31
Red	C	APC	46112	45193	-2	2.56	1613	12.31
Red	A	APC-Cy7	30458	29450	-4	2.50	786	12.08
Violet	B	V450	7918	7532	-5	4.31	425	14.36
Violet	A	V500	32171	30554	-6	4.11	713	10.71

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16856	15.48	635	14	N/A	N/A	Pass
Blue	F	SSC	57023	1.49	574	15	N/A	N/A	Pass
Blue	E	FITC	62	67.39	550	7	0.0165	131	Pass
Blue	D	PE	134	50.47	555	7	0.1462	245	Pass
Blue	B	PerCP-Cy5-5	216	52.67	665	9	0.0086	97	Pass
Blue	A	PE-Cy7	109	107.83	710	12	0.0103	24	Pass
Red	C	APC	388	24.86	586	2	0.0229	81	Pass
Red	A	APC-Cy7	173	28.43	557	1	0.0053	705	Pass
Violet	B	V450	65	60.23	459	1	0.0337	1300	Pass
Violet	A	V500	107	35.64	475	1	0.0225	995	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.07	-32.19	1.03
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	16.68	13.60 - 20.40	N/A	N/A	29.20	30.07	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9515

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments